

# Product Datasheet

## Biochar specification



*This document is based on biochar produced from FSC-certified wood pellets at Meva Energy's gasification plant in Kisa, Sweden.*

**Raw material:** FSC-certified Wood pellets

**Manufacturing process:** Produced by heating biomass at high temperatures and in an oxygen-limited environment, called gasification.

**Packaging:** Biochar is delivered in big bags

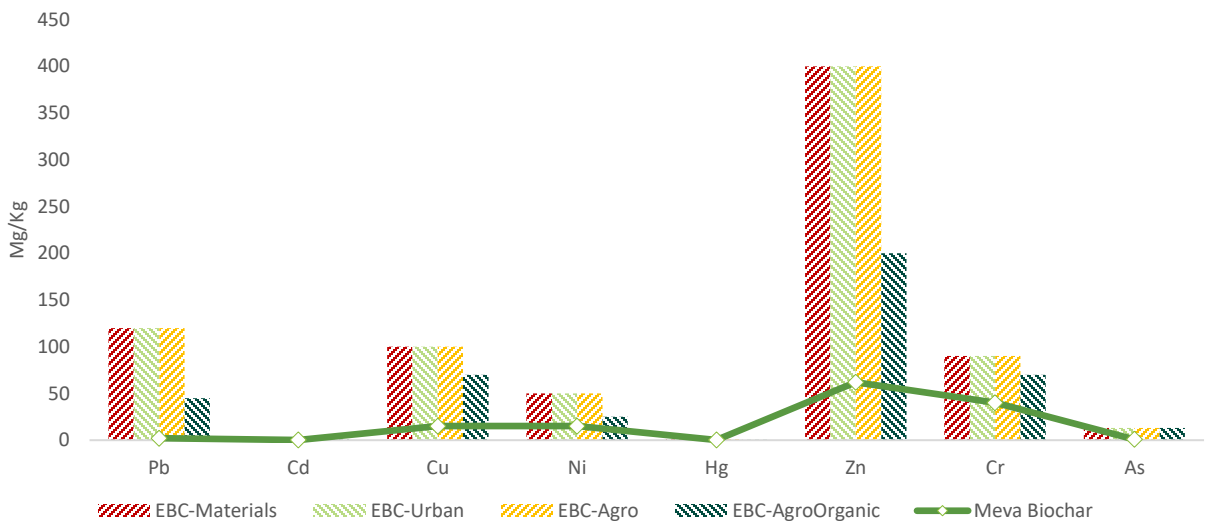
**Surface area:** >430 m<sup>2</sup>/g

**Density:** Approximately 250 kg/m<sup>3</sup> (dry basis)

General	Value
Ash	7,2 %
Carbon, C	84 %
Hydrogen, H	0,5 %
Oxygen, O	7,1 %
Sulphur, S	0,05 %
Nitrogen, N	0,6 %
HHV (dry basis)	31,3 MJ/kg
LHV (dry basis)	30,9 MJ/kg

### Meva Energy biochar in relation to European Biochar Certificate (EBC) grades

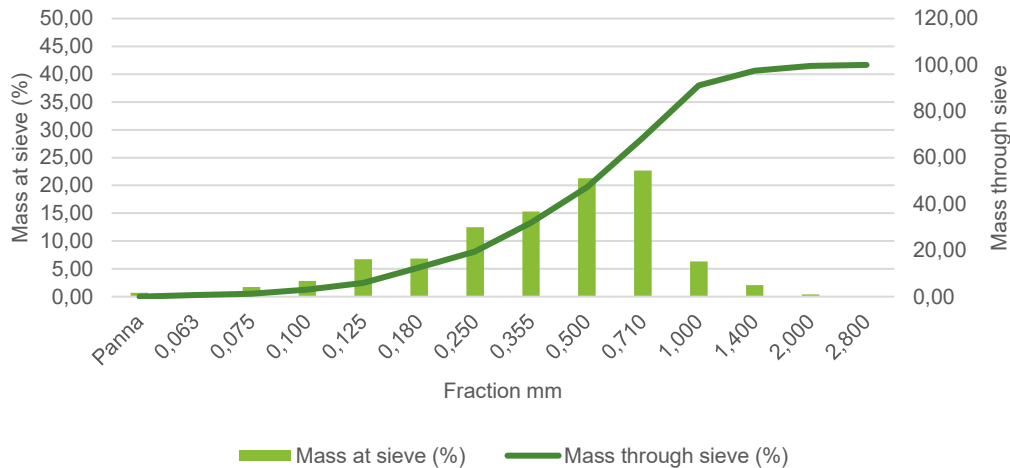
Meeting the requirements for EBC-AgroOrganic classification.



Ash-forming elements	mg/kg	Ash-forming elements	mg/kg
Al	480	Mg	3 200
As	<0,2	Mn	2 300
B	<4	Mo	0,91
Ba	370	Na	250
Be	<0,2	Ni	13
Ca	25 000	P	1 300
Cd	<0,1	Pb	0,89
Co	1,5	Sb	<0,2
Cr	20	Si	2 300
Cu	15	Sn	<0,5
Fe	900	Ti	<50
Hg	<0,08	V	0,72
K	9 990	Zn	14

### Particle size distribution

As Meva Energy's gasification is based on using fine fraction feedstock, the biochar will also have a fine fraction character as seen in the particle size distribution.



For more information on our biochar, its various applications, and the climate benefits it provides, please visit our website or contact us directly:



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